

Product datasheet for **MR219751L4V**

Ano2 (NM_153589) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Ano2 (NM_153589) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Ano2 |
| Synonyms: | BC033409; Tmem16b |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_153589 |
| ORF Size: | 3006 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR219751). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_153589.2 , NP_705817.2 |
| RefSeq Size: | 3949 bp |
| RefSeq ORF: | 3009 bp |
| Locus ID: | 243634 |
| UniProt ID: | Q8CFW1 |
| Cytogenetics: | 6 F3 |



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Gene Summary:

Calcium-activated chloride channel (CaCC) which may play a role in olfactory signal transduction. Odorant molecules bind to odor-sensing receptors (OSRs), leading to an increase in calcium entry that activates CaCC current which amplifies the depolarization of the OSR cells, ANO2 seems to be the underlying chloride channel involved in this process. May mediate light perception amplification in retina.[UniProtKB/Swiss-Prot Function]